



NON-PATENT LITERATURE (NPL)

ONLINE RESOURCES FOR TECHNOLOGY CENTER 1600

INSTRUCTOR:

OFFICE LOCATION:

TELEPHONE NUMBER:

EMAIL ADDRESS:

BIOTECH STIC LIBRARY LOCATION: CM1- 1st Floor

This presentation was designed by Edward Hart – Technical Information Specialist/Searcher – Biotech STIC Library and Tammy Field (ITRP TC1600), in collaboration with the SPE Resource Team of TC 1600.





General Training Information

Charge Code: 160484 – 2hrs

Practice Charge Code: 160406 – 1hr



Objectives

Today's session help you to:

Navigate and Identify art specific resources on the intranet NPL Page.

Utilize NPL to identify and retrieve prior art specific to biotechnological areas on the internet.

Conduct subject, author, and date specific searches utilizing various internet resources.



Prior Art Resources

NPL Literature Web Page

*PubMed, ProQuest,
Science Server*

Commercial
Databases
STN, Dialog

**Prior
Art**

Public Websites
*Knovel, Google,
AltaVista, Teoma*

In-House
Resources
*EAST, WEST,
FPASIII*



NPL Search Sites

Databases

- Medline – PubMed/Entrez
- ProQuest

Books and Journals

- STIC Online Catalog
 - Ordering through ILL
- netLibrary
- ScienceServer

• Reference Tools

- PDR & Stedman's Medical Dictionary

• Additional Internet sites

- Knovel
- Google, Alta Vista, Teoma

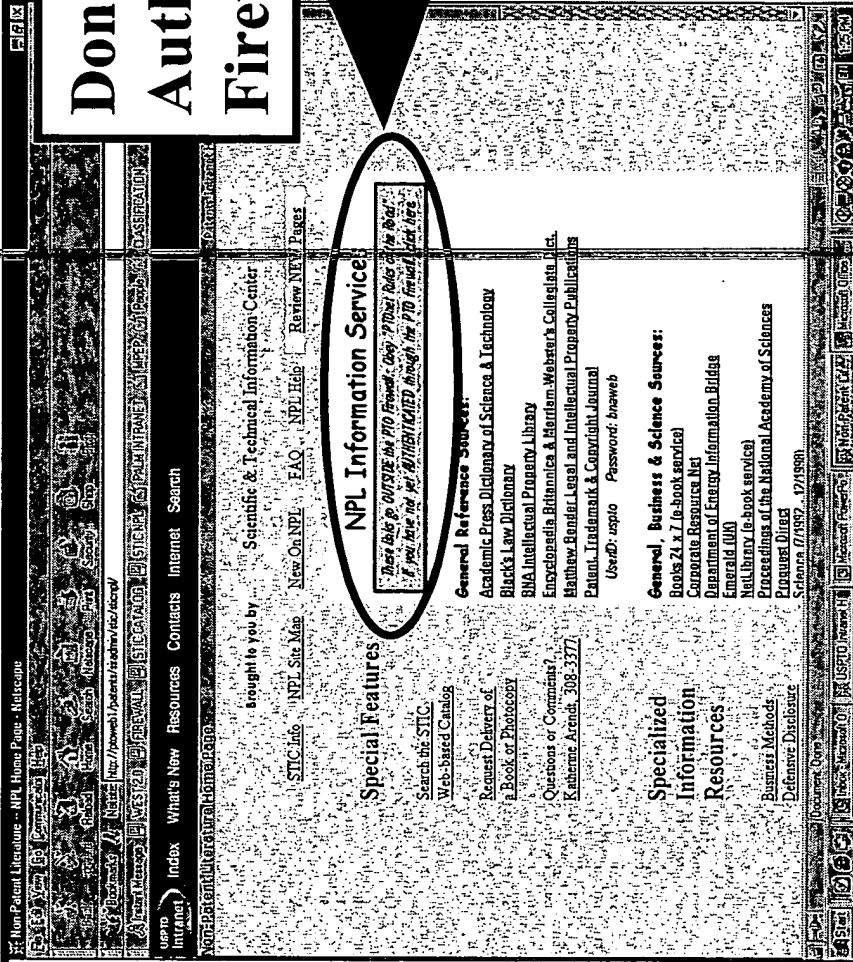
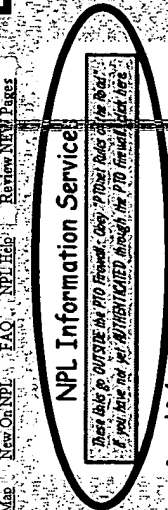


Fourth Way to Access NPL

(Older site – Some examiners may have bookmarked)

<http://ptoweb1/patents/siradmin/stic/sticnpl/>

Don't Forget to
Authenticate through
Firewall





NPL Information Services

These links go OUTSIDE the PTO Firewall. Obey "PDRnet Rules of the Road". If you have not yet AUTHENTICATED through the PTO firewall, click here.

General Reference Sources:

Academic Press Dictionary of Science & Technology
Black's Law Dictionary
BNA Intellectual Property Library
Encyclopaedia Britannica & Merriam-Webster's Collegiate Dict.
Matthew Bender Legal and Intellectual Property Publications
Patent, Trademark & Copyright Journal
UserID: uspto Password: bnewlib

General, Business & Science Sources:

Books 24 x 7 (e-book service)
Corporate Resource Net
Department of Energy Information Bridge
Emerald (UK)
Net library (e-book service)
Proceedings of the National Academy of Sciences
Proquest Direct
Science (1997 - 12/1998)

Special Features

Search the STIC
Web-based Catalog
Request Delivery of
a Book or Photocopy
Questions or Comments?
Katherine Arendt 308-3377

Specialized Information Resources

Business Methods



Full-text Journals (Older site)

NPL for TC 1600 - Microsoft Internet Explorer provided by USPTO

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Favorites Print Full Screen Size

Selected Journal Titles of Interest to TC 1600

Title	Abstracts	Full Text
American Journal of Human Genetics	7/1/97.	3/1/96.
American Journal of Pathology		10/1/97.
American Journal of Physiology	10/1/97.	1/1/96.
Analytical Chemistry	1/1/96.	1/1/98.
Annual Review of Biochemistry	1/1/98.	1/1/95.
Applied and Environmental Microbiology	1/1/92.	1/9/96.
Biochemistry	1/9/96.	1/12/96.
Cell	5/1/74.	1/1/96.
Chemical Reviews	1/1/96.	1/1/94.
Circulation		1/1/94.
Circulation Research	1/1/94.	
Crop Science	1/1/92.	11/1/95.
Developmental Biology	11/1/95.	1/1/97.
Diabetes		1/97.
EMBO Journal	1/94.	12/30/94.
Gene	12/30/94.	1/95.
Infection and Immunity	1/92.	

Done Local Internet



Why use NPL ?

Desktop access to 7000+ journals via the Internet

Access to several hundred full-text electronic books

Links to tech center specific sites, such as IUPAC (International Union of Pure and Applied Chemistry) and GenBank



How Can NPL Help You?

- It's direct
- It's easy
- It's on your desktop



Getting Started

FAQ

Help

Adobe Acrobat

Second copy, licensing

PTO net policy and confidentiality

➤ *Rules of the Road*

Authentication



Rules of the Road

USPTO Intranet

Director's Corner
Patents
Trademarks
Finance
Forecast & Planning Center
Human Resources
Procurement
Security
Chief Information Officer

Home Index What's New Resources Contacts Internet Search

Click on a Hot Link Button below or click on one of the PTO Business area destinations on the left. Users are reminded that PTO's Rules of the Road when using any automation service

Rules of the Road

Every attempt has been made to ensure that appropriate security mechanisms are in place for protecting information from unintended access, from within the system or from the outside. However, these mechanisms, by themselves, are not sufficient. PTOnet and PTO System users should ensure that they take appropriate action to safeguard classified or sensitive data. You are instructed to implement the following requirements:

- Don't transmit classified data, data subject to a secrecy order, or data under seal through the Internet or e-mail, unless it has been properly protected through encryption software.
- Don't store or transmit sensitive data without proper protection as defined in applicable Federal laws and regulations. Sensitive data should not be posted in discussion groups or bulletin boards. Data should be considered sensitive if they might be exempt from Freedom of Information Act (FOIA) disclosure or protected under the Privacy Act. Sensitive data include records about individuals in which there is a reasonable expectation of privacy, trade secrets or confidential business information, and confidential information related to Patent and Trademark applications.
- Don't transmit data that are part of PTO's decision making process over the Internet or in public news groups.

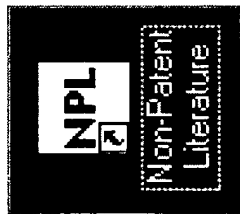


Authentication

The PTO intranet is private and protected by the firewall
Most sites accessed are located on the public internet
Authenticate now at the Firewall



Firewall Authentication



Authenticate through Firewall

USPTO Intranet Index What's New Resources Contacts Internet Search

Scientific and Technical Information Center

NPL Virtual Library

NPL Home | STIC Catalog | Site Guide | EIC Automation Training

USPTO

STIC

NPL Service

Monday, March 26, 2002

STIC's mission is to connect examiners to critical prior art providing information services and access to NPL electronic resources and print collections. A STIC is located in each Technology Center.

Most of the electronic resources listed on this page must be accessed via the Internet. You must be authenticated for data to be accessed.

Firewall Authentication

Specialized Information Resources for Technology Centers

Select a Technology Center:

General Information Resources

- Alphabetical List of E-Resources
- Bibliography of the Month
- Defensive Disclosure Resources
- E-Books and E-Journals
- General Reference Tools
- Legal Resources
- New Book List



Enter Your Internet User ID and Password

Client Authentication Remote Service

FireWall-1 message: User:

Login:

press submit when done:

Submit

Client Authentication Remote Service

FireWall1 message: User train01 authenticated by FireWall-1 authentication

Methods:

- ☒ Standard Sign-on
- ☐ Sign-off
- ☐ Specific Sign-on

Select a method then press submit:

Submit

Type your Internet Login name >
Submit.

Type in password > Submit

Select Standard Sign-on



Electronic Information Centers

Office

NPL Virtual Library - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location http://www.patentlib.org/

USPTO Internet

Index What's New Resources Contacts Internet Search

Scientific and Technical Information Center

NPL Home | STIC Catalog | Site Guide | EIC | Automation Training | TRPs | Contact Us | STIC Staff | FAQ | Feedback

NPL Services for Examiners

Select 1600 (Biotech/Chem Lib)

ATC2100

ATC2600

ATC2800

ATC3600

ATC3700/Design 2900

Legal Resources

New Book List

Document Done

Search

Index

Notes

Blank

English

Return

9:59 AM

Monday, March 25, 2002

STIC's mission is to connect examiners to critical prior art by providing information to NPL electronic resources and print collections. A STIC facility is located in a Most of the electronic resources listed on these Web pages are accessed via a authenticated for data to be accessed. > [STIC Staff Authentication](#)

Specialized Information Resources for Technology Centers



Biotech-Chem Library: Resources and Services

Biotech-Chem Library - Netscape

File Edit View Go Command Help

Home Back Forward Stop Reload Search Home Print Search Help

http://bioweb/patents/bic/bic-to-1600.htm

user@intr@net Index What's New Resources Contacts Internet Search

Scientific and Technical Information Center

NEW Virtual Library > TCI 1600: Biotech-Chem Library

NPL Home | STIC Catalog | Site Guide | TCI Automation Training | TIRPS | Contact Us | STIC 65th ITAC | Feedback/Authentication

Printed: Home | Site | Feedback

Biotech-Chem Library: Resources and Services

Monday, March 20, 2002

These resources and services provide examiners with access to critical prior art. Most of the electronic resources listed on these Web pages are accessed via the Internet. You must be authenticated for data to be accessed. > [Feedback/Authentication](#)

Information Resources

(Contents coming soon)

Databases

Articola
Citations to agricultural literature produced by the National Agricultural Library

DTIC STIC
Scientific and technical information from the Defense Technical Information Center

MEDLINE
Proquest Direct
Readers Guide to Periodical Literature
No full-text articles

STN on the Web
Training and password required. The other link is via the Patent Examiner Toolkit. On your computer, click on the START button, then on the PE Toolkit, then on STN Explorer.



Today's Examples

Accessing NPL Databases

Searching an electronic book

Retrieving full-text documents

Browsing a specific journal issue

Requesting Interlibrary Loan (ILL)

Using NPL Reference Tools

Browsing internet sites outside NPL



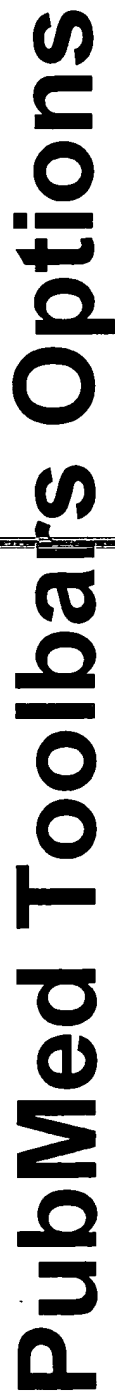
Medline- PubMed/Entrez

Resources Provided by;


- **NCBI** – National Center for Biotechnology Information

Searchable Databases;


- Medline/PubMed
- GenBank
- OMIM (Online Mendelian Inheritance in Man)




Select the Search Category of choice



NCBI



PubMed



National Library of Medicine

[Backlinks](#) | [Location](#) | [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed&220](#)

[USP10 Internet](#) | [USP10 Intranet](#) | [USP10 Intranet](#)

Published

Search

Protein

Nucleotide

Genome

Structure

PopSet

OMIM

Taxonomy

Books

ProbeSet

Overview

3D Domains

Help | F.F.

SNP

for

Limits

PreviewIndex

History

Clipboard

Details

PopSet

Taxonomy

OMIM


Books

Unknown database name PubMed

- Enter one or more search terms, or click [Preview/Index](#) for advanced searching.
- Enter author names as smith jc. Initials are optional.
- Enter journal titles in full or as MEDLINE abbreviations. Use the [Journal Browser](#) to find journal titles.


PubMed a service of the National Library of Medicine, provides access to over 11 million MEDLINE citations back to the mid-1960's and additional life science journals. PubMed includes links to many sites providing full text articles and other related resources.

Now on the Bookshelf



Immunobiology, 5th ed., by CA Janeway, et al. Looking to stimulate your interest in Immunology? Need to brush up on your B cell biology? This popular immunology resource

Try LinkOut



LinkOut is a jumping-off point from PubMed citations to relevant resources on the web, such as, full-text articles, library holdings, commentaries, author biographies, practice guidelines, consumer health information.

PubMed Services

Journal Browser

MeSH Browser

Single Citation

Matcher

Batch Citation

Matcher

Clinical Queries

LinkOut

Cubby

Related Resources

Order Documents

NLM Gateway

TOXNET



PubMed- Taskbar Options

Bookmarks Location <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed&20>

NCBI

PubMed

Search PubMed

Pubmed

Protein

Genome

Structure

Pop3

Taxonomy

Nucleotide

Protein

Genome

Structure

Pop3

Taxonomy

PubMed

National Library of Medicine NLM

Search PubMed

Limits

Preview/Index

History

Clipboard

Go

Clear

Details

Unknown database name PubMed

About Entrez

Text Version

Entrez PubMed

Overview

Help / FAQ

Tutorial

New/Noteworthy

PubMed Services

Journal Browser

MeSH Browser

Single Citation

Matcher

Batch Citation

Matcher

Clinical Queries

LinkOut

Cubby

Related

Resources

Order Documents

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

Enter one or more search terms, or click [Preview/Index](#) for advanced searching.


Enter author names as smith jc. Initials are optional.


Enter journal titles in full or as MEDLINE abbreviations. Use the [Journal Browser](#) to find journal titles.

PubMed, a service of the National Library of Medicine, provides access to over 11 million MEDLINE citations back to the mid-1960's and additional life science journals. PubMed includes links to many sites providing full text articles and other related resources.

New on the Bookshelf

Try LinkOut

 LinkOut is a jumping-off point from PubMed citations to relevant resources on the web, such as, full-text articles, library holdings, commentaries, author biographies, practice guidelines, consumer health information, and research tools. [Example LinkOut resources](#) are available.

 **Cancer Medicine, 5th ed.** Edited by RC Bast, et al. This authoritative and comprehensive oncology resource published by BC Decker, Inc. is now available for browsing and interactive searches on [Bookshelf](#).

Option buttons



PubMed - Limits

Bookmarks



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06/2002
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Searching PubMed

NCBI

PubMed

Search

About Entrez

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Entrez PubMed

Overview

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New/Noteworthy

PubMed Services

Journal Browser

MeSH Browser

Single Citation

Matcher

Batch Citation

Matcher

Clinical Queries

LinkOut

Cubby

Related

Resources

Order Documents

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

Nucleotide

Protein

Genome

Shipping

PopSet

PubMed

National Library of Medicine NLM

for nanotechnology

Entrez

Preview/Index

History

Clipboard

Data

Unknown database name PubMed

Enter one or more search terms, or click [Preview/Index](#) for advanced searching.

Enter author names as smith, jc. Initials are optional.

Enter journal titles in full or as MEDLINE abbreviations. Use the [Journal Browser](#) to find journal titles.

New on the Bookshelf

Cancer Medicine, 5th ed. Edited by RC Bast, et al. This authoritative and comprehensive oncology resource published by BC Decker, Inc. is now available for browsing and interactive searches on Bookshelf.

Try LinkOut

LinkOut is a jumping-off point from PubMed citations to relevant resources on the web, such as, full-text articles, library holdings, commentaries, author biographies, practice guidelines, consumer health information, and research tools. Example LinkOut resources are available.

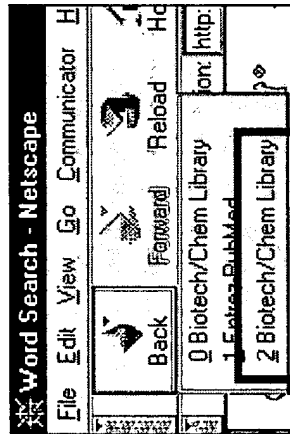
Search the term
nanotechnology.

Select Go button to search
keyword



ProQuest Direct

Abstract and Full Text Journals
divided by category and topics




Right click on Back Button of Netscape to access
Biotech/Chem Library's homepage



Use ProQuest Direct

Bookmarks | NetStar | <http://ploweb/patents/stc/stc-tc1600.htm>

 **Biotech-Chem Library: Resources and Services**

Monday, June 3, 2002

These resources and services provide examiners with access to critical prior art. Most of the electronic resources listed on these Web pages are accessed via the Internet. You must be authenticated for data to be accessed. ▶ [Full-text authentication](#)

Information Resources
(Contents coming soon)

Databases

- Agricola - Citations to agricultural literature produced by the National Agricultural Library
- DTIC STINET - Scientific and technical information from the Defense Technical Information Center
- EPOQUE - EPO's databases, available on stand-alone terminal in CM1 Library
- ProQuest Direct** - Access to Periodical Literature
No full-text articles
- STN on the Web - Training and password required. The other link is via the Patent Examiner's Toolkit. On your computer, click on the START button, then on the Pat Toolkit, then on STN Express



Select Collections

Bookmarks Location <http://proquest.umi.com/pqdweb?RQT=30&TS=1023141672>

ProQuest® Return to NPL Web Page

[Collections](#) [Search Methods](#) [Topic Finder](#) [Browse Lists](#)

Searching collections: **All Collections**

Enter a word, words or specific phrase.

Date range:

Publication type:

Search in:

☐ Show results with full text availability only

☐ Show peer reviewed publications

☐ Show total number of articles

Tips
For the best results, enter the most specific words or phrase.

[Text Version](#) [Results](#) [Search Guide](#) [Basic Search](#)

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Searching ProQuest Collections

ProQuest® Return to NPL Web Page
Search Methods: Topic Finder Browse Lists
All Collections
? Help Results Search Guide Select Collection

Click the checkbox to select the collection for your searches
☒ Search All Collections
or Search the following individual collection(s):

- ☐ ABI/INFORM Global
- ☐ Applied Science & Tech Plus
- ☐ Banking Information Source
- ☐ Canadian Serials
- ☐ Career and Technical Education
- ☐ General Science Plus
- ☐ Health & Medical Complete
- ☐ PA Research II
- ☐ PA Research II Newspapers
- ☐ PA Research II Periodicals
- ☐ PA Research II--Peer Reviewed
- ☐ ProQuest Asian Business
- ☐ ProQuest Computing
- ☐ ProQuest European Business

Click the checkbox to select the collection for your searches
or Search the following individual collection(s):

For more information about the collections, move your pointer over the

Check Search All
Collections





Searching by Word

ProQuest®

Return to NPL Web Page

Search Methods

Search

Search Guide

Basic Search

Search Results

Recent searches

Marked list & durable links

Enter a word, words or specific phrase.

Breast Cancer and Tamoxifen

Search

Date range:

Current (1999 - Present)

Publication type:

All

Search in:

Citations and abstracts

☐ Show results with full text availability only

☐ Show peer reviewed articles

☐ Show total number of articles

Tips

For the best results, enter the most specific words or phrase.

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Terms and Conditions

Type in Search term(s) and
Select Search



Viewing Options

Select Articles

Bookmarks Location: <http://proquest.umi.com/pqdweb>

proquest®

Return to Collections Search Methods: [Topic](#) [Full Text](#) [Image](#)

Searching collections: All Collections

Save

Saves this search as a Durable Link and

At least 30 articles matched your search.

☐ 1. Breast cancer face-off: A new class of drugs may challenge the old warhogs; Susan Brink; U.S. News & World Report, Washington; Jun 3, 2002; pg. 54

☐ 2. PERSONAL JOURNAL -- Home Front -- Health Journal -- Nutritional Supplements May Cut Risk of Cancer. By Tara Parker-Pope; Wall Street Journal, Brussels; May 31, 2002; Europe; pg. P.3

☐ 3. AARP to join generic drug suit: [All Editions]; Jon Chesto; Boston Herald, Boston, Mass.; May 30, 2002; pg. D40

☐ 4. AARP aids lawsuits against drugmakers: [North Sports Final Edition]; BRUCE JAPSEN; Chicago Tribune, Chicago, Ill.; May 30, 2002; pg. 3

☐ 5. Chicago Tribune Inside Health Care Column: Bruce Japsen; Knight Ridder/Tribune Business News, Washington; May 30, 2002; pg. 1

☐ 6. AARP Joins Three Lawsuits Against Large Drug Companies; Robert Pear, New York Times, New York, N.Y.; May 30, 2002; Late Edition (East Coast); pg. A.19

☐ 7. AARP: COMPANIES KEEP GENERIC DRUGS AWAY FROM PUBLIC: THE GROUP JOINED LAWSUITS TO STOP THE SUPPRESSION OF GENERIC COMPETITION.; [FINAL Edition]; Leslie Miller, Associated Press; Orlando Sentinel, Orlando, Fla.; May 30, 2002; pg. A.12

☐ 8. ADVOCATES FOR SENIORS JOIN LAWSUITS AGAINST DRUGMAKERS; [Broward Metro Edition]; Robert Pear, The New York Times, South Florida Sun - Sentinel, Fort Lauderdale, Fla.; May 30, 2002; pg. 6A

☐ 9. IN BRIEF / PHARMACEUTICALS; Calif.; May 30, 2002; pg. C.2

☐ 10. WASHINGTON IN BRIEF: [FINAL Edition];

Next

Explain icons

Enter a word, words or specific phrase.

breast cancer and tamoxifen

Search

Cit/Abstract, Full Text, and/or Page
Image may be available

Click on Next to continue Review
of Hits

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06/2002
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Viewing Options

Bookmarks Location: <http://proquest.umi.com/pqdweb?RQ1=307&Sid=1&SP=11&Rel=10&TS=1023142807>

Return to NPL Web Page

Search Methods Topical Finder Browse Lists

Search Results Search Guide

Text Version

Search Results

proquest®

Search Methods Topical Finder Browse Lists

Searching collections: All Collections

Saves this search as a Duplicate "Results-Marked List"

At least 50 articles match your search criteria.

11. ☐ AARP Journal Eastern Edition, pg. 75, 1 pgs

12. ☐ New England Journal of Medicine, Boston, May 23, 2002, Vol. 346, Iss. 21, pg. 1609, 3 pgs

13. ☐ Two Corners Nutrition, N.Y., May 28, 2002

14. ☐ An ounce of prevention: Alice Park; Time, New York, May 27, 2002, Vol. 159, Iss. 21, pg. 75, 1 pgs

15. ☐ Personal time: Your health: Sara Song; Time, New York, May 27, 2002, Vol. 159, Iss. 21, pg. 75, 1 pgs

16. ☐ Editorials: Prophylactic oophorectomy to reduce the risk of ovarian and breast cancer in carriers of BRCA mutations; Daniel Haber, The New England Journal of Medicine, Boston, May 23, 2002, Vol. 346, Iss. 21, pg. 1609, 3 pgs

17. ☐ Risk-reducing salpingo-oophorectomy in women with a BRCA1 or BRCA2 mutation; Noah D Kauff; The New England Journal of Medicine, Boston, May 23, 2002, Vol. 346, Iss. 21, pg. 1609, 7 pgs

18. ☐ New cancer drug is hailed as massive step forward; Birmingham Post (Birmingham UK); May 21, 2002, pg. 7

19. ☐ Cancer drug is dramatic breakthrough; NORTH WALES Edition; Daily Post, Liverpool; May 21, 2002, pg. 2

20. ☐ Ovary Removal May Foil Cancer; INASSAU AND SUFFOLK Edition; Dethia Ricks, STAFF CORRESPONDENT; Newsday, Long Island, N.Y.; May 21, 2002, Combined editions; pg. A.16

Explain Icons

1-10 21-30

First Previous Next

Enter a word, words or specific phrase.

breast cancer and tamoxifen

Search

Date range:

Current (1999 - Present)

Left-click on Hyperlink of Interest or
Camera symbol to view image

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06/2002
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Article Format Options

Bookmarks

Locations

http://proquest.umi.com/hqolweb?DId=000000120774609&Fm=3&DId=1&MId=14&SId=1&QId=309

Return to NPL Web Page

Search Methods

Topic Finder

Browse Lists

Searching collections: All Collections

Full Text

Text Version

Results

Search Guide

Article Display

Email Article

Print Article

Save Link

Article 14 of 50

Mark article

Saves this document as a Durable Link under "Results-Marked List"

Publisher Info

Article format

An ounce of prevention

Time, New York, May 27, 2002; Alice Park;

Volume: 159

Issue: 21

Start Page: 75

ISSN: 0040781X

Subject Terms: Cancer

Physicians

Tumors

Clinical trials

Prevention

Full Text

Cite/Abstract

Full Text

Page Image

Select Article

Format of

Choice from

Drop-Down

Menu

Abstract:

Breast cancer is a prime example. For more than two decades, women with early stage, estrogen-sensitive breast cancers have been treated with surgery followed by a combination of tamoxifen and chemotherapy. Adding tamoxifen seemed to make sense, since it blocks estrogen's cancer-promoting effects. It turns out, however, that tamoxifen may act as a spoiler, preventing the chemotherapy agents from entering cancer cells and doing their job.

Full Text:

Copyright Time Incorporated May 27, 2002

[Headnote]

Cancer doctors gather this week to share the latest research on keeping tumors at bay. Here is a preview By Alice Park



You Have a Reference

Hess EJ

Migraines in mice?

Cell 1996 Dec 27; 87(7):

1149-51

➤ Now you need to
retrieve and print the
full article

Locating a Reference

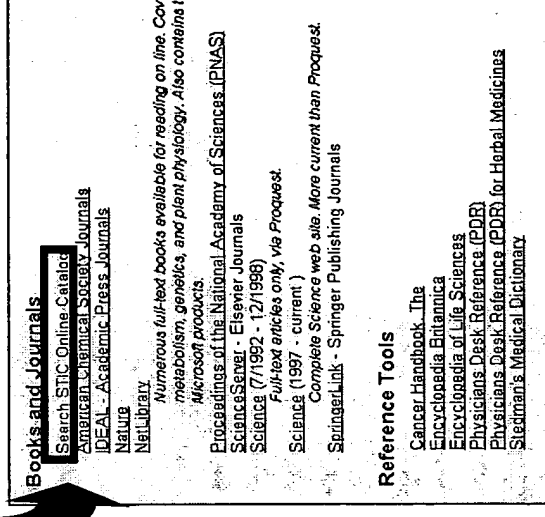
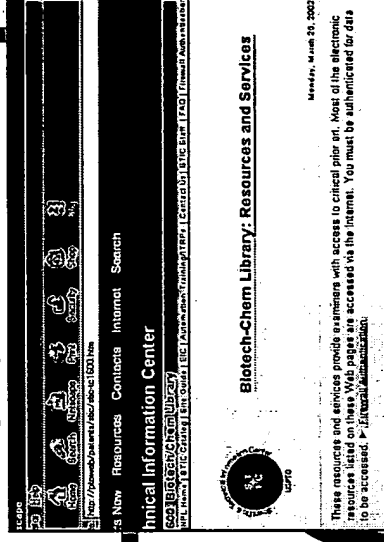
Where do you go to
find the journal?

Start by choosing under

Books and Journals,

**Search STIC Online
Catalog**

Right click on Back Button of Netscape to access Biotech/Cem Library's
homepage





Search the Title Alphabetical Listing

Searching STIC Online Catalog



Select one of the following:

- General Keyword
- Title Alphabetical**
- Title Keyword
- Author Alphabetical
- Subject Alphabetical
- Subject Keyword
- Call Number Browse
- ISSN
- ISBN
- US Patent Classification

Select Title of Publication containing the search word "cell".

Type the word "cell" in search box

Search for:

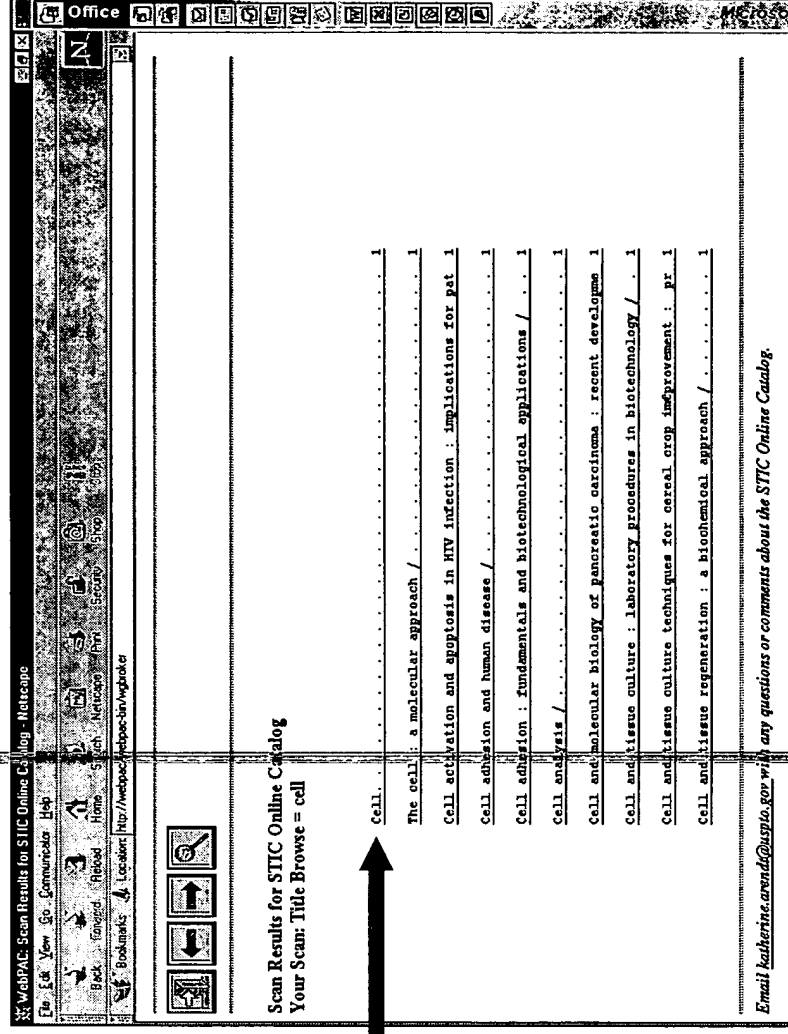
CELL

Search

Catalog Results

Hyperlinks are designated in Blue, Underlined areas

Browse and Select the title that most closely matches search needs



The screenshot shows a Netscape browser window displaying the 'WebPAC: Scan Results for STIC Online Catalog - Netscape'. The search results are listed in a table with underlined blue hyperlinks. An arrow points from the instruction box to the first result, 'Cell...'. At the bottom of the page, there is an email address and a note about questions or comments.

Cell...	1
The cell : a molecular approach /	1
Cell activation and apoptosis in HIV infection : implications for pat	1
Cell adhesion and human disease /	1
Cell adhesion : fundamentals and biotechnological applications /	1
Cell analysis /	1
Cell and molecular biology of pancreatic carcinoma : recent developme	1
Cell and tissue culture : laboratory procedures in biotechnology /	1
Cell and tissue culture techniques for cereal crop improvement : pr	1
Cell and tissue regeneration : a biochemical approach /	1

Email katherine.arenas@uspto.gov with any questions or comments about the STIC Online Catalog.



STIC Library Subscribes to Online Version



Long View for STIC Online Catalog

Your Search: Title Browse = Cell
Displaying Record: 1 of 1

Select Hyperlink to
view

Title	Cell		
Imprint	Cambridge, Mass., MIT Press. 1974-		
Dates of Pub	v. 1- Jan. 1974-		
Description	v. ill. 28 cm.		
URL	http://www.cell.com/contents-by-date.0.shtml	Click here to see page images of articles (1996 -)	
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Minireview
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Ellen J. Hess¹
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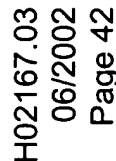
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Recently, the ion channel mutations causing both familial hemiplegic migraine (FHM) and episodic ataxia type-2 (EA-2) were identified as defects in the human voltage-dependent calcium channel α_{1A} subunit (Ophoff et al., 1996 □). Simultaneous with the identification of the FHM/EA-2 gene defects, the mutations underlying the tottering and leaner mouse phenotypes were identified as defects in the murine voltage-dependent calcium channel α_{1A} subunit (Fletcher et al., 1996 □). Because these genes are homologs, the mouse mutants tottering and leaner may be instrumental in unraveling the pathogenesis of FHM and EA-2.

Inherited ion channel mutations or "channelopathies" are the cause of several neurologic disorders in humans. Hypokalemic periodic paralysis, which is characterized by intermittent weakness, results from a calcium channel mutation (Placek et al., 1994 □), whereas hyperkalemic periodic paralysis is caused by a sodium channel mutation (Cummins et al., 1993 □). Episodic ataxia type 1 is produced by a point mutation in a potassium channel (Browne et al., 1994 □). The distinguishing phenotypic feature of these channelopathies is the transient



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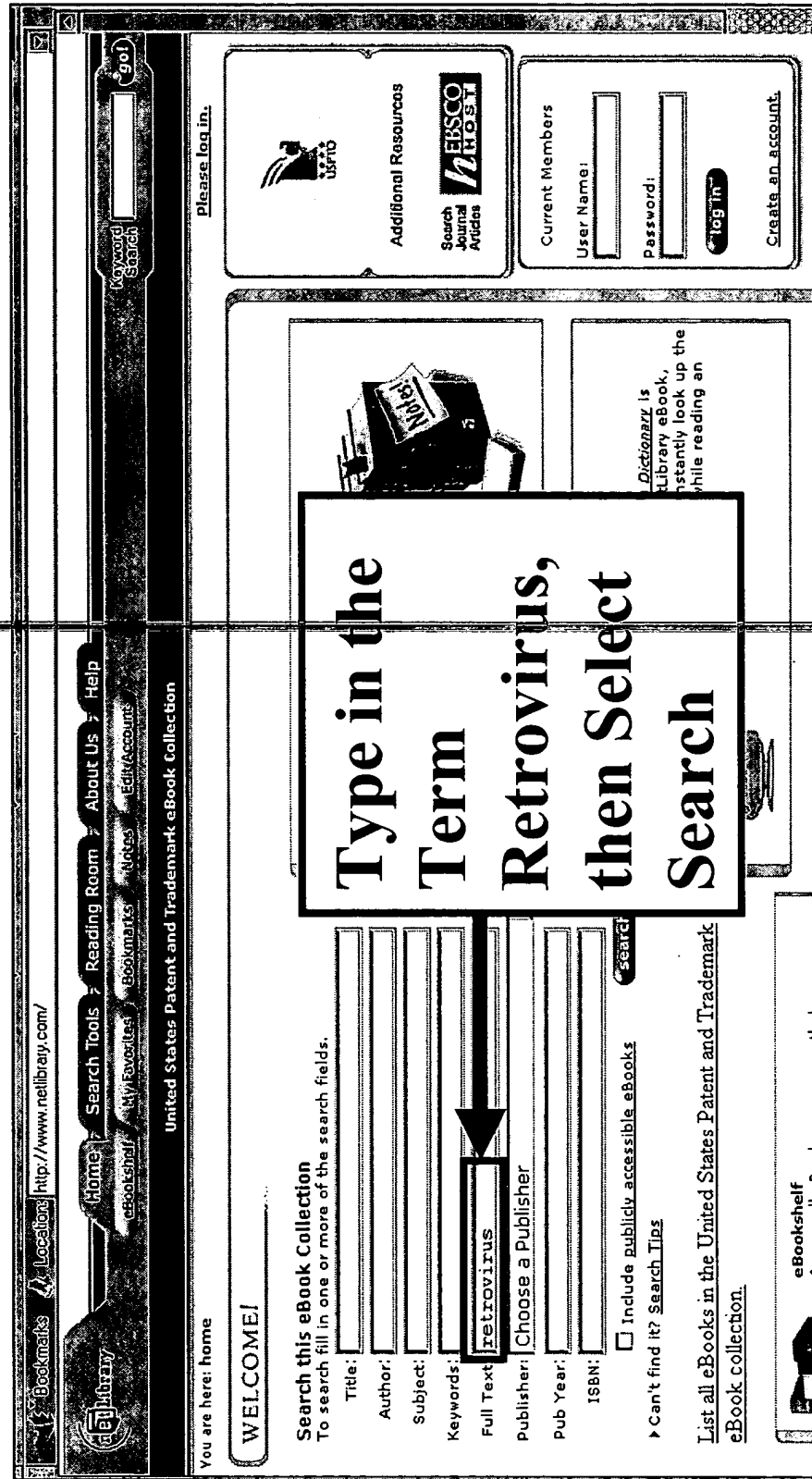
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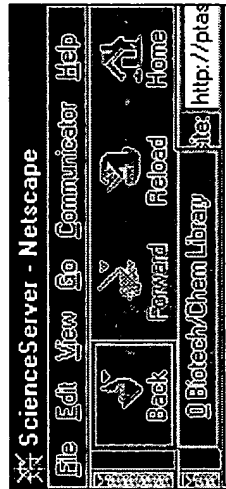
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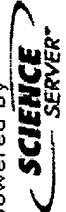
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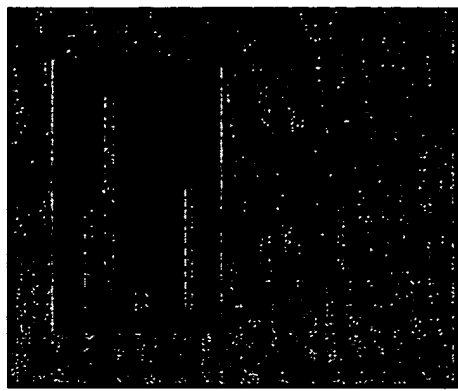




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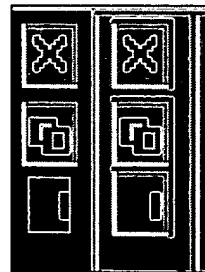


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Address <http://www.knovel.com/knovel2/default.jsp>

knovel
Engineering & Scientific Online References

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Site Keyword Search:
Enter one or more keywords

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Enter additional keywords (optional)

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Biochemistry, Biology & Biotechnology
Ceramics & Composites Engineering
Chemistry & Chemical Engineering
Construction Materials & Engineering
Environmental Engineering
Publisher Areas:
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ChemTec Publishing
CRC Press
Industrial Press
Institute of Physics
John Wiley & Sons
Kluwer Academic Publishers
McGraw-Hill
NACE International
Naves/William Andrew Publishing
Plastics Design Library

Food Science
General Engineering References
Mechanics & Mechanical Engineering
Plastics & Rubbers
Safety, Health & Hygiene
Semiconductors & Electronics
Surface Engineering
Rapra
Royal Society of Chemistry
Society of Plastics Engineers
Society of Vacuum Coaters
U.S. Department of Agriculture
U.S. Department of Commerce
U.S. Department of Defense
U.S. Department of Health and Human Services
U.S. Department of the Navy
Woodhead Publishing

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Keywords entered in the same box are searched with NEAR proximity.
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kNews

Internet



Perform Site Keyword Search

Address http://www.knovel.com/knovel2/Show_Books.jsp?SpaceID=10045

knovel
Engineering & Scientific Online References

Path: Home/ Biochemistry, Biology & Biotechnology

Site Keyword Search:

Home Site Keyword Search Site - alla Sosa

Keyword Search

Subject Area: Biochemistry, Biology & Biotechnology

- ⊕ Biochemistry
- ⊕ Biology
- ⊕ Biotechnology

Alphabetical List

- Apes of the World - T...
- Basic Concepts in Bio...
- Biology and Manage...
- Biotechnological Inc...
- Biotechnology for Wa...
- Cereal Biotechnology...
- Fermentation and Bio...
- Gazelles and Their P...
- Housing, Care and Psychologica...
- Iguanas of the World - Their B...

Publisher Bundles: Biochemistry, Biology & Biotechnology

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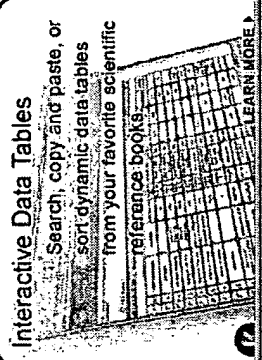
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<http://www.knovel.com/knovel2/keyword.jsp>

Advanced Search Features

Interactive Data Tables

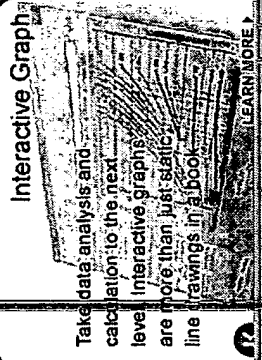
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knovel Engineering & Scientific Online References

There are 3 match(es) in 3 book(s) found for Term 1 = hybrid And Term 2 = vaccines

Refine Results by: Search all references

Book

Results

Rank

Date

(records)

Text (pages)

Handbook of Industrial Membrane Technology ©1990

Pharmaceutical and Biotechnology Applications

Text (1)

Benders' Dictionary of Nutrition and Food Technology (7th Edition) ©1999

naartje ... zymotachygraph

Text (1)

Cereal Biotechnology ©2000

7.1 Introduction

Text (1)

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Knovel – View/Navigation Options

Pharmaceutical and Biotechnology Applications - Microsoft Internet Explorer provided by USPTO

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100%

Pharmaceutical and Biotechnology Applications

The diversity of applications for UF in the pharmaceutical industry is unequalled in any other industry group. Concentration, purification, desalting, fractionation and sterilization are all practiced in one form or another. In some cases, the product is in the retentate; in others, it is in the permeate. Occasionally, both retentate and permeate contain valuable products. The fact that all of these operations are possible with UF at ambient temperatures without phase change or addition of chemicals/solvents makes it an ideal separation tool for labile drugs and biologicals. Proteins, polysaccharides, vitamins, hormones, viruses, vaccines and antibiotics are all processed with UF. Even the water to make up these pharmaceutical solutions is often sterilized and depyrogenated by UF (see the discussion on ultrapure water in an earlier section of this chapter).

One of the fastest growing markets for UF and chromatography is in biotechnology. Broadly defined, biotechnology includes any technique that uses living organisms or parts of organisms to make or modify products, to improve plants or animals, or to develop microorganisms for specific uses. In this sense, biotechnology has been practiced by man since the dawn of civilization in baking, brewing, and cheese making. Today's new biotechnology focuses on applications for agriculture and industry. To date, most applications in industry are part of the pharmaceutical industry, which is why we are considering UF and biotechnology applications together.

"New biotechnology" focuses on the industrial use of recombinant DNA (r DNA) and cell fusion. For example, "old biotechnology" would be fermentation but "new technology" seeks to use r DNA to produce a product with a higher alcohol content. Genetic engineering can now take a microorganism and slip it into the genetic material of another organism. The microbe then performs differently and creates a product with delays and changes which occur in cross-breeding of plants and animals. This makes possible the synthesis of new hormones like insulin and interferon.

The commercial success of r DNA and cell fusion technologies is dependent on advances in "bio-process engineering". Most industrial biological syntheses are carried out on a batch scale, with a small amount of product recovered from large quantities of water, cellular components, nutrients, and wastes. It is in this

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Options

Close out of this window and Right Click on Back button to Return to Knovel Homepage

Viewing Options



Knovel Online References cont...

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Featured Classics:

Dictionary of Substances and Their Effects, Vol. 1-7
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Chemical Resistance of Plastics and Elastomers (3rd Edition)
▶ [Description](#) ▶ [Table of Contents](#)

Marks' Standard Handbook for Mechanical Engineers (10th Edition)
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Machinery's Handbook (26th Edition)
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Perry's Chemical Engineers' Handbook (7th Edition)
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CRC Handbook of Chemistry and Physics (3rd Electronic Edition)
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Lange's Handbook of Chemistry (15th Edition)
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Concise Encyclopedia of Plastics
▶ [Description](#) ▶ [Table of Contents](#)

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Engineering & Scientific Online References

Path: Home / Chemistry & Chemical Engineering / General References / CRC Handbook of Chemistry and Physics (3rd Electronic Edition)



CRC Handbook of Chemistry and Physics (3rd Electronic Edition)

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This 3rd electronic edition follows the 81st edition of the print Handbook in terms of content. There are several updated and expanded tables: Fundamental Physical Constants (the new set of CODATA recommended values, replacing the 1986 set); The Elements (descriptive texts on the occurrence, properties, history, and uses of all the chemical elements); Dissociation Constants of Organic Acids and Bases (expanded by 50%); Dipole Moments (revised and expanded); Threshold Limits for Airborne Contaminants (including the most recent recommendations).

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➤ Interactive Tables

➤ Section 1: Basic Constants, Units, and Conversion Factors

➤ Section 2: Symbols, Terminology, and Nomenclature

➤ Section 3: Physical Constants of Organic Compounds

➤ Section 4: Properties of the Elements and Inorganic Compounds

➤ Section 5: Thermochemistry, Electrochemistry, and Kinetics

➤ Section 6: Fluid Properties

➤ Section 7: Biochemistry

➤ Section 8: Analytical Chemistry

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Text

Type in
Keywords,
amino acids
Then Select
Search

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WEB BROWSERS

Web Browser for searching relevant
biotechnology sites

- **Google**
- **Alta Vista**
- **Teoma**



GOOGLE - Main Screen

Address http://www.google.com/

Search New Next Customise

msn Search

Search the Web for:

Search

Found 'google'

FEATURED SITES

- Google
- Search the Internet

WEB DIRECTORY SITES

- Google - Help Central
- Google - About Us
- Google Toolbar
- Google Groups
- Google - Advanced Search
- Unclesam Google Search
- Googlewhacking
- Internet Magazine - 15
- Greatest Events in Net History

NEXT

Results for 'google' @ Amazon.com

About Results

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Google™

Web

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Groups

Directory

mad cow

Google Search

I'm Feeling Lucky

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Preferences

Language Tools

Search or read your favorite catalogs using Google.

Advertise with Us · Search Solutions · News and Resources · Google Toolbar · Jobs · Press · Cool Stuff...

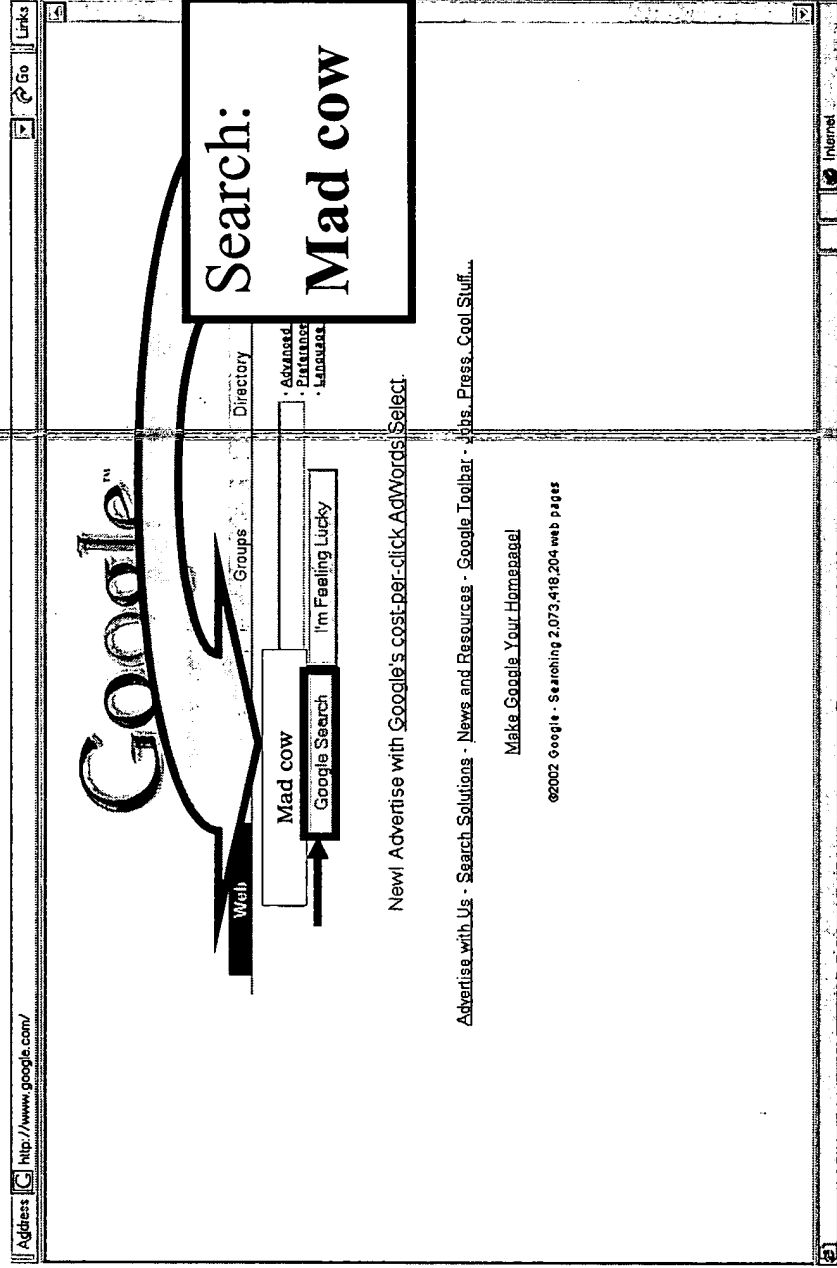
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Tab Options



GOOGLE - Searching





Google Search Results

Hyperlinks
are bolded
and
underlined

Google™

Advanced Search Preferences Language Tools Search Tips

mad cow

Google Search

Tip: In most browsers you can just hit the return key instead of clicking on the search button.

Results 1 - 10 of about 460,000 Search took 0.07 seconds

Web Images Groups Directory

Searched the web for mad cow.

Categories: Society > Lifestyle Choices > ... > Health Concerns > BSE - Mad Cow Disease
Health > Conditions and Diseases > ... > Infections > Creutzfeldt Jakob Disease

News: Officials 'quite confident' Israeli beef safe from Mad Cow (Haaretz Daily Israel - 23:07 2 Jun 2002)

... site . The Official Mad Cow Disease Home Page. You are what you eat:
now serving number Bovine-CJD: might you already have it? ...
Description: Contains thousands of articles on mad cow and other diseases.
Category: Society > Lifestyle Choices > ... > Health Concerns > BSE - Mad Cow Disease
www.mad-cow.org/ - 24k - Cached - Similar pages

Official Mad Cow Disease Home Page
... The Official Mad Cow Disease Home Page. Bovine-CJD: might you already
have it? ... GENERAL NEWS Page has moved to www.mad-cow.org. ...
Description: The Internet's largest site for mad cow disease, BSE, scrapie, CJD, and other prion diseases. Coverage...
Category: Science > Technology > ... > BSE - Bovine Spongiform Encephalopathy
www.cyber-dyne.com/~tom/mad_cow_disease.html - 4k - Cached - Similar pages

mad cow disease and cid
... Mad Cow Disease (Bovine Spongiform Encephalopathy, Chronic wasting disease). ...
Mad Cow USA/Canada - Mad Cow Europe, ... Highlighted Articles. ...
Description: Information from the Organic Consumers' Association related to mad cow/deer/pig/alk disease in the USA.
Category: Health > Conditions and Diseases > ... > Infections > Creutzfeldt Jakob Disease

Result Set Info

Cow on eBay.
Low Prices - Millions of Items.
Buy or Sell on eBay Here!
www.ebay.com
Interest: [View](#)
See your message here...



AltaVista – Main Screen

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Options

AltaVista - The Search Company - Microsoft Internet Explorer provided by USPTO

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altavista
THE SEARCH COMPANY

Best Prices on Televisions!
at **Deadline**

click here

Family Filter: off Help

Any language
Any language

English Chinese Czech Danish Dutch Estonian Finnish French German Greek

Search Advanced

marketplace

1st Mortgage Rates
NP Training CBIs
Inless Storage
Finance Quotes
Line Sportsbook

Auto Insurance
Inkjet Refills
\$2.95 Domain Names
Life Insurance
Online Gambling

Cheap Web Hosting
Attend IT Training
Motorcycle Insurance
Post Jobs Now
Gambling Online

Web Resources

Shopping
Electronics Video Cam
Autos
New Used Research
Personals & Dating
Pictures & Profiles Dating Tips

Travel

Flights Cars Hotels

Careers

Find Jobs Post Jobs Resumes

Auctions

Electronics Collectibles

Tools

Translate
Maps
Yellow Pages
People Finder
Shopping
Real Searches
Search Settings
More >>

Web Directory

Computing
Gaming
Home
Insurance
Movies
Music
People & Chat
Entire Directory >>

Breaking news: Palestinian Court Orders Release of T

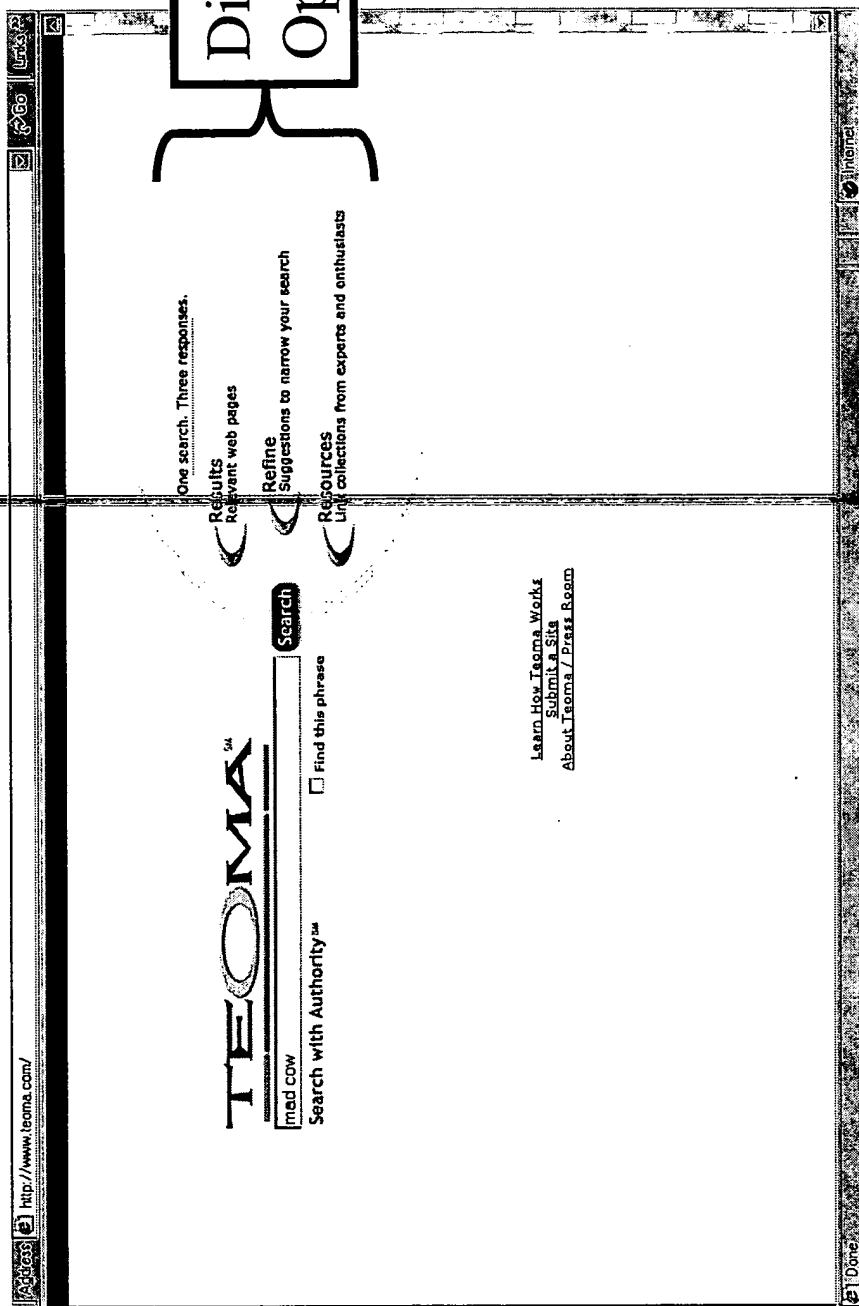
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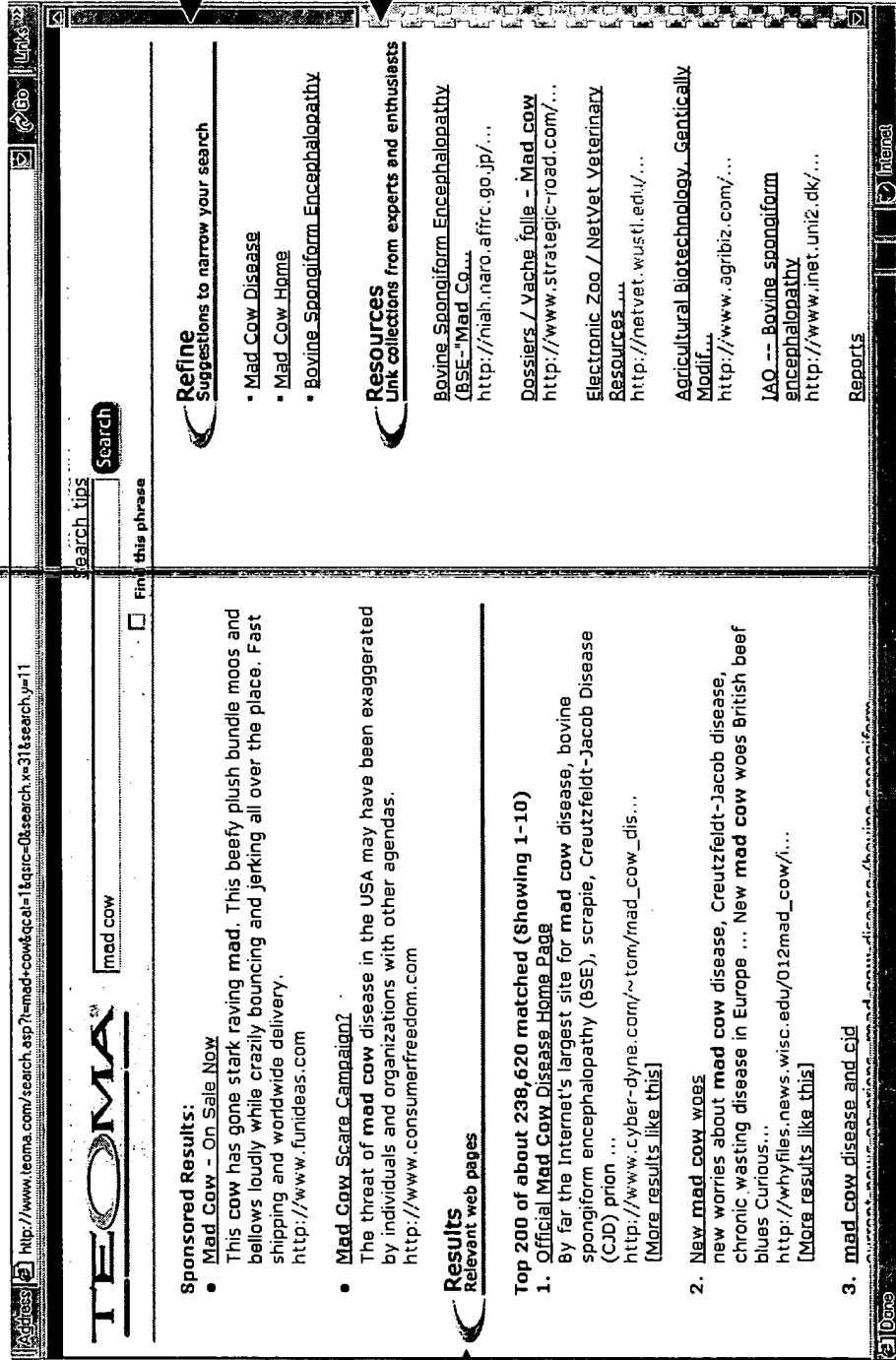
Internet



Teoma – Main Screen



Teoma's Results Page Format



The screenshot shows a web browser window displaying search results for the query "mad cow". The browser's address bar shows the URL "http://www.teoma.com/search.asp?term=mad-cow&qcl=1&qrc=0&search=31&search=y=11". The search results are organized into several sections: "Sponsored Results:", "Relevant web pages", "Refine", "Resources", and "Reports".

Sponsored Results:

- **Mad Cow - On Sale Now**
This cow has gone stark raving mad. This beefy plush bundle moos and bellows loudly while crazily bouncing and jerking all over the place. Fast shipping and worldwide delivery.
<http://www.funideas.com>
- **Mad Cow Scare Campaign?**
The threat of **mad cow** disease in the USA may have been exaggerated by individuals and organizations with other agendas.
<http://www.consumerfreedom.com>

Relevant web pages

Top 200 of about 238,620 matched (Showing 1-10)

1. **Official Mad Cow Disease Home Page**
By far the Internet's largest site for **mad cow** disease, bovine spongiform encephalopathy (BSE), scrapie, Creutzfeldt-Jacob Disease (CJD) prion ...
http://www.cyber-dyne.com/~tom/mad_cow_dis...
[More results like this]
2. **New mad cow woes**
new worries about **mad cow** disease, Creutzfeldt-Jacob disease, chronic wasting disease in Europe ... New **mad cow** woes British beef blues Curious...
http://whyfiles.news.wisc.edu/012mad_cow/i...
[More results like this]
3. **mad cow disease and cjd**

Refine
Suggestions to narrow your search

- Mad Cow Disease
- Mad Cow Home
- Bovine Spongiform Encephalopathy

Resources
Link collections from experts and enthusiasts

Bovine Spongiform Encephalopathy (BSE)-"Mad Cow..."
<http://nih.naro.afrc.go.jp/...>

Dossiers / Vache folle - Mad cow
<http://www.strategic-road.com/...>

Electronic Zoo / NetVet Veterinary Resources ...
<http://netvet.wustl.edu/...>

Agricultural Biotechnology... Genetically Modified...
<http://www.agribiz.com/...>

IAQ -- Bovine spongiform encephalopathy
<http://www.inet.uni2.dk/...>

Reports



Additional Biotech Web-Links

Generic Bioscience-Related Sites

Bioscience Sites

Genomic Sites

The Genomic Database

Pharmacy-Related Sites

TC 1600 intranet site:

<http://ptoweb/patents/1600/>



Generic Bioscience- Related Sites

Genamics BookSeek - Molecular Biology and Biochemistry Books

<http://genamics.com/books/index.htm>

ExPASy – Enzyme Nomenclature Database of Enzymes

<http://www.expasy.ch/enzyme>

Glossary of Biochemistry and Molecular Biology

<http://db.portlandpress.com/db.htm>

Dictionaries/Glossaries in Bio-related Telecommunication

http://home*.inet.tele.dk/p-spitz/Bookmarks/Bookmarks5.html

The World Wide Web Virtual Library: Biosciences – Chemistry Resources,
Academic Institutions, Non-Profit and Commercial Organizations

<http://www.chem.ucla.edu/chempointers.html>



Generic Bioscience-Related Sites continued...

Chemfinder - This site is created and maintained by Cambridge Soft, makers of ChemDraw. Search chemicals by name, CAS Registry number, molecular weight, molecular formula.

Records include all this information plus (synonyms) and are often the structure of the compound.

Additional information that may be present:

Melting Point, Boiling Point, Refractive Index, ACX Number, Evaporation Rate, Flash Point, DOT number, Density, Vapor Density, Vapor Pressure, Water Solubility, EPA Code, RTECS Number

<http://www.chemfinder.com>



Biosciences

MeSH Browser - National Library of Medicine

Terms can be searched to determine if they are MeSH terms

Many of the common terms are mapped to the appropriate MeSH term. Shows where chosen MeSH term fits in the hierarchy of the tree structure (narrow and broader terms)

[http:// www.nlm.nih. gov/mesh/Mbrowser.html](http://www.nlm.nih.gov/mesh/Mbrowser.html)

MedLinePlus - Dictionaries

<http://www.nih.gov/medlineplus/dictionaries.html>

BioMedNet (general biosciences), plus HMS Beagle Magazine
Resource Tools, Journal and Web links

<http://www.bmn.com>



Biosciences

Botanical.com Home Page “hypertext version of A Modern Herbal, by Mrs. M. Grieve originally published 1931”

<http://botanical.com>

Genetic Science Learning Center

Educational site about genetic disorders

<http://gslc.genetics.utah.edu>

Integrated Spectral Data Base System for Organic Compounds
Agency of Industrial Science and Technology of Japan

<http://aist.go.jp/RIODB/SDMS/menu-e.html>

FRONTIERS IN BIOSCIENCE – Database - Gene Knockout
IMPACT OF GENE KNOCKOUTS ON PHENOTYPE

<http://www.bioscience.org/knockout/dualindex.htm>



Genome Sites

Comprehensive Microbial Resource by the Institute for Genomic Research
<http://tigr.org/tigr-scripts/CMR2/CMRHomePage.spl>

The Dog Genome Project

“The Dog genome Project is a collaborative study involving scientists at the University of California, Berkley, the University of Oregon, and the Fred Hutchinson Cancer Research Center. This site is aimed at producing a map of all the chromosomes in dogs.”

<http://mendel.berkeley.edu/dog.html>

E.coli Genome Project by the University of Wisconsin, Madison

<http://www.genetics.wisc.edu/body.htm>



The Genome Database Sites

The Hospital for Sick Children, Toronto, Ontario Canada
Searchable information from the Human Genome Project

<http://gdbwww.gdb.org/gdbhome.html>

Primer on Molecular genetics (Department of Energy)
This is an older site but, still has good data

<http://www.bis.med.jhmi.edu/Dan/DOE/intro.html>

Science Magazine Functional Genomics

<http://www.sciencemag.org/feature/plus/sfg>

UK Human Genome Mapping Project Resources Center

<http://www.hgmp.mrc.ac.uk>



The Genome Database continued...

The Wellcome Trust Website Foundation for Biomedical/Biotech Research
<http://www.wellcome.ac.uk>

NCBI – National Center for Biotechnology Information produced by
National Library of Medicine – Genome Data and Database
<http://www.ncbi.nlm.nih.gov>

GenBank – Sequence Searching & Submission Database
<http://www.ncbi.nlm.nih.gov>



The Genome Database continued...

Human Genome Project Information – Department of Energy
Medical, Ethical, Legal and Social Issue coverage.

<http://www.ornl.gov/hgmis>

Summary of Individual Genes/Proteins – Offers concise information
about the functions of all human genes as well as a list of genes.

<http://bioinfo.weizmann.ac.il/cards/>

PubMed – NCBI – Access to over 11 million Medical Citations from the mid
60's as well as science Journal's providing full text articles.

<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed>



The Genome Database

continued...

Type in the "Keyword" for a gene/protein and this will display "miscards" which link information on other names, functions, who reported it in the literature, and disease associations. Location is via a series of links off a "Ref Seq" in Genbank

<http://bioinfo.weizmann.ac.il/cards>

On-line Pub of reviews of various proteins: This is new so not very many proteins available at this point.

<http://www.ncbi.nlm.nih.gov:80/PROW/>

The Scout Report - A publication of the Internet Scout Project Computer Science Department, University of Wisconsin

<http://www.nature.com/genomics/human/>

<http://www.sciencemag.org/genome2001/>



Pharmacy Related Sites

American Society of Health System Pharmacists
www.ashp.com

Practical Information for Today's Pharmacist
<http://www.pharmacytimes.com>

RxList – Drug Alert Index – Provides information to consumer and medical professional's.
<http://www.rxlist.com>

MedScape - Medline – Optimized for Physicians, Medical Professionals as well as consumer health related issues.
<http://www.medscape.com>



Comments or Questions

STIC

- Edward Hart
 - edward.hart@uspto.gov
- Toby Port
 - toby.port@uspto.gov

ITRP

- Tammy Field
 - tammy.field@uspto.gov
- Akintade Dare
 - akintade.dare@uspto.gov